

IAEA CERTIFICATE OF COMPETENT AUTHORITY SPECIAL FORM RADIOACTIVE MATERIALS CERTIFICATE USA/0158/S-96, REVISION 6

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency¹ and the United States of America² for the transport of radioactive material.

- 1. <u>Source Identification</u> E.I. DuPont/New England Nuclear Model NER-479C.
- 2. Source Description Cylindrical single encapsulation made of Type 316L stainless steel and heli-arc seal welded. Approximate outer dimensions range from 15.2 mm (0.6 in.) to 38.1 mm (1.5 in.) in diameter and 5.6 mm (0.22 in.) to 12.7 mm (0.5 in.) in length. The active face has a wall thickness of approximately 0.25 mm (0.01 in.). Construction shall be in accordance with attached New England Nuclear Corp. Drawing No. 313-306, dated 9-11-78.
- 3. <u>Radioactive Contents</u> No more than 74.0 GBq (2.0 Ci) of Americium-241. The Am-241 is in the form of a ceramic.
- 4. Quality Assurance Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors in the United States exporting shipments under this certificate shall satisfy the applicable requirements of Subpart H of 10 CFR 71.
- 5. Expiration Date This certificate expires on February 28, 2012.

¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency(IAEA), Vienna, Austria.

² Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

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This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the October 02, 2006 petition by J.L. Shepherd, San Fernando, CA, and in consideration of other information on file in this Office.

Certified By:

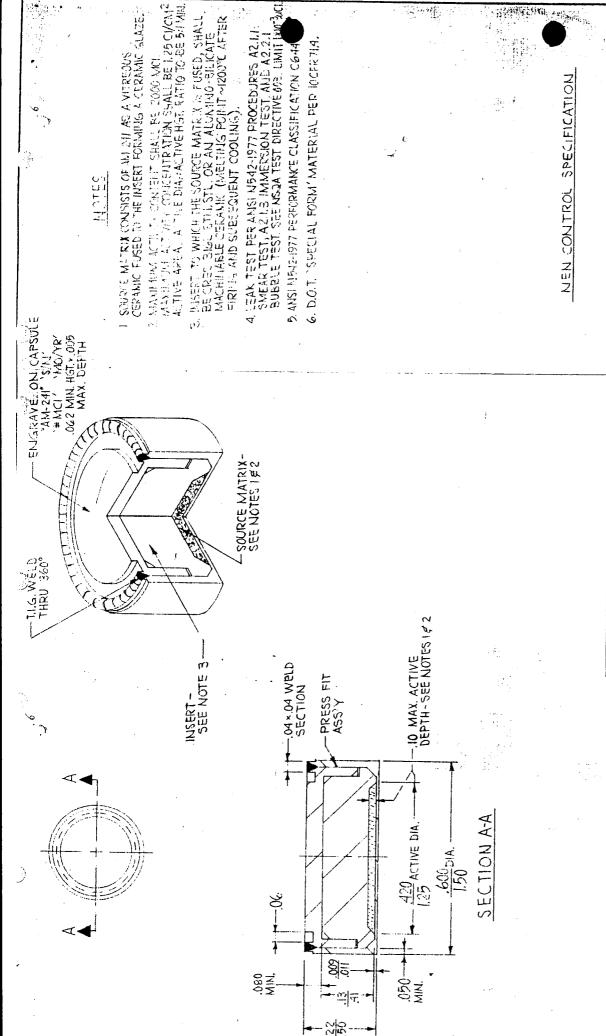
Roh Pighard

Feb 16 2007

(DATE)

Deputy Associate Administrator for Hazardous Materials Safety

Revision 6 - Issued to renew the expiration date.



MATE	MATERIAL SPECIFICATIONS	FRACTI	FRACTIONAL	DECHMAL	ANGULAR	
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Pipeline and Hazardous Materials Safety Administration

CERTIFICATE NUMBER: USA/0158/S-96, Revision 6

ORIGINAL REGISTRANT(S):

Ms. Mary Shepherd Vice President J.L. Shepherd 1010 Arroyo Ave. San Fernando, 91340-1822 USA

REGISTERED USER(S):

Tjaden L. Meyer Project Development Manager R.M. Wester & Associates, Inc. 215 Indiacom Drive St. Peters, MO 63376